

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-11 (Canceled).

Claim 12 (New): A coded target used in photogrammetry, the target being circular and comprising:

at least first and second concentric coding rings with at least two equal angular sectors, arranged around a central area comprising a central disk with a uniform color surrounded by the first ring with a complementary color, the first ring surrounded by the second ring of a same color as the central disk, wherein all sectors in the first ring which is an innermost ring, are the same color except for one that is a complementary color.

Claim 13 (New): A target according to claim 12, wherein the central disk is white or black.

Claim 14 (New): A target according to claim 12, wherein the second ring is thinner than the first ring.

Claim 15 (New): A target according to claim 12, wherein each sector in each ring is the same color.

Claim 16 (New): A target according to claim 12, further comprising a third ring, in which color of the sectors is complementary to the color of the sector adjacent to the second ring.

Claim 17 (New): A photogrammetry process using specific coded targets according to claim 12, and software for recognition of these targets on images, which comprises:

detection of the central area of targets, giving an initial positioning of the targets on the image;

positioning of the targets taking account of deformations due to perspective; and

identification of coding rings and their sectors, evaluation of the colors of the coding rings and management of hidden targets.

Claim 18 (New): A process according to claim 17, wherein the detection includes following operations in sequence:

use of one of an arresting filter as a Sobel filter or a Canny-Deriche filter, to calculate gradients in X and in Y,

calculate a normal to the gradient and its direction,

calculate intersection and direction images,

extraction of circles and ellipses,

filtering by thresholding,

labelling,

filtering by regions.

Claim 19 (New): A process according to claim 17, wherein the identification includes following operations for each target:

Adaptive segmentation,

Estimate of circle/ellipse deformations,

Regular sampling of rings,

Extraction of color lists,

Filtering of lists,

Target identification.

Claim 20 (New): A process according to claim 19, wherein the identification further includes management of hidden targets.

Claim 21 (New): Use of targets according to claim 12 in a field of industrial metrology.

Claim 22 (New): Use of targets according to claim 12 in a field of computer display.